Notice of Allowability	Application No.	Applicant(s)	
	09/687,244	LIN ET AL.	
	Examiner	Art Unit	
	LeChi Truong	2194	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS
1. X This communication is responsive to the amendment filed of	on 03/16/2006.		
2. The allowed claim(s) is/are 1, 2, 7, 13-16 now renumbered	as claims 1-7.		
3. ☐ Acknowledgment is made of a claim for foreign priority unestable and all b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 5. ☒ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☒ including changes required by the Notice of Draftspers 1) ☒ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the such sheet. Replacement sheet(s) should be labeled as such in the such sheet. Replacement sheet(s) should be labeled as such in the such sheet. Replacement sheet(s) should be labeled as such in the such sheet. Replacement sheet(s) should be labeled as such in the such sheet.	been received. been received in Application No cuments have been received in this r of this communication to file a reply of ENT of this application. itted. Note the attached EXAMINER' as reason(s) why the oath or declarate t be submitted. on's Patent Drawing Review (PTO-S Amendment / Comment or in the O 84(c)) should be written on the drawing he header according to 37 CFR 1.121(c)	national stage applical complying with the red S AMENDMENT or Nation is deficient. 948) attached ffice action of the lags in the front (not the lags in the front (not the lags).	quirements OTICE OF
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F 	sit of BIOLOGICAL MATERIAL m FOR THE DEPOSIT OF BIOLOGICA	nust be submitted. N AL MATERIAL.	Note the .
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) 	5. Notice of Informal Pa	• •	J-152)
	6. ⊠ Interview Summary (Paper No./Mail Date	ė	
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 	8), 7. Examiner's Amendm	nent/Comment	
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 	8. Examiner's Stateme 9. Other WILLI	NOT Reasons for Allo AM THOMSON AM PATENT EXAMINATE PATENT	wance NER

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DETAILED ACTION

1. This is in responding to the amendment filed 03/13/2006.

Allowable Subject Matter

- 2. Claims 1-2, 7, 13-15, 16 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

As to claims 1-2, 7, 13-15, 16, the prior art as taught by McCarty et al (US. Patent 5,954,796) and Stone (US. Patent 5,784,555) do not teach on render obvious the limitations recited in claims 1, 7, 16, when taken in the context of the claims as a whole, the FCHIM being capable of receiving the modification request, the FCHIM being capable of altering the functionality of the Fibre Channel controller based on the Fibre Channel attribute value, the FCHIM being capable of receiving the operating system independent commands and providing control signals to a Fibre Channel controller as recited in the independent claims 1, 7 and 16. Moreover, evidence for modifying the prior art teachings by one of ordinary skill level in the art was not uncovered so as to result in the invention as recited in claims 1, 7 and 16.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (571) 272 3767. The examiner can normally be reached on 8 - 5.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomson, William can be reached on (571) 272 3718. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR of Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

LeChi Truong

March 20, 2006

WILLIAM I HUMBUN SUPERVISORY PATENT EXAMINER

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Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or

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additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no lather than the

payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with

Gina A. Bibby (Registration number: 57,407) on 3/21/2006.

3. Amend the following claims:

Claim 1: A computer implemented method for facilitating communication with a Fibre

Channel controller, comprising the operations of:

defining a data structure having a Fibre Channel attribute value, wherein the Fibre

Channel attribute value defines a functionality of a Fibre Channel controller;

enabling user modification of the Fibre Channel attribute value;

defining a Fibre Channel Hardware Interface Module (FCHIM);

receiving a modification request from a code segment to alter the Fibre Channel attribute

value during operation of the Fibre Channel controller such that the code segment is configured

to directly alter the Fibre Channel attribute value without translating the modification request

into Fibre Channel commands to facilitate the alteration of the Fibre Channel attribute value, the

code segment is an Operating System Module (OSM), the OSM being capable of providing the

modification request, the FCHIM being capable of receiving the modification request; and

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altering the functionality of the Fibre Channel controller based on the Fibre Channel attribute value, the FCHIM being capable of altering the functionality of the Fibre Channel controller based on the Fibre Channel attribute value.

Claim 2: A method as recited in claim 1, further comprising the operation of modifying the Fibre Channel attribute value in response to receiving the modification request.

Claim 3 (Canceled)

Claim 4 (Canceled)

Claim 5 (Canceled)

Claim 6 (Canceled)

Claim 7: A profile data structure for facilitating communication with a Fibre Channel controller, the profile data structure executed by a computer, the profile data structure comprising:

a Fibre Channel value field; and

a data type value related to the Fibre Channel value field, the data type value defining the data type of the Fibre Channel value field,

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wherein a value in the Fibre Channel value field is accessible by an operating system dependent code module and the operating system dependent code module is configured to directly access the value in the Fibre Channel value field without translation into Fibre Channel commands, the operating system dependent code module is an Operating System Module (OSM), the OSM being capable of receiving operating system specific commands and providing operating system independent commands, and

wherein the value in the Fibre Channel value field also is accessible by an operating system independent code module, wherein the operating system independent code module is a Fibre Channel Hardware Interface Module (FCHIM), the FCHIM being capable of receiving the operating system independent commands and providing control signals to a Fibre Channel controller, wherein the FCHIM alters the Fibre Channel controller based on the value in the Fibre Channel value field.

Claim 8 (Canceled)

Claim 9 (Canceled)

Claim 10 (Canceled)

Claim 11 (Canceled)

Claim 12 (Canceled)

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Claim 13 (Original): A profile data structure as recited in claim 7, wherein the Fibre Channel attribute value field relates to a Fibre Channel maximum port value.

Claim 14 (Original): A profile data structure as recited in claim 7, wherein the Fibre Channel attribute value field relates to a Fibre Channel maximum Logical Unit Number (LUN) value.

Claim 15 (Original): A profile data structure as recited in claim 7, wherein the Fibre Channel attribute value field relates to a Fibre Channel Arbitrated Loop value.

Claim 16: A computer system for facilitating communication with a Fibre Channel controller, comprising:

a profile data structure executed by the computer, the profile data structure having a Fibre Channel field value;

an operating system dependent code module executed by the computer, the operating system dependent code module in communication with the profile data structure, such that the operating system dependent code module is configured to be capable of directly modifying the Fibre Channel Field value without translation into Fibre Channel commands to facilitate the modification, wherein the operating system dependent code module is an Operating System Module (OSM), the OSM being capable of receiving operating system specific commands and providing operating system independent commands; and

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an operating system independent code module executed by the computer, the operating system independent code module in communication with the profile data structure, wherein the operating system independent code module is capable of altering the functionality of a Fibre Channel controller based on the Fibre Channel field value, wherein the operating system independent code module is a Fibre Channel Hardware Interface Module (FCHIM), the FCHIM being capable of receiving the operating system independent commands and providing control signals to a Fibre Channel controller.

Claim 17 (Canceled)

Claim 18 (Canceled)

Claim 19 (Canceled)

Claim 20 (Canceled)

Conclusion

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LeChi Truong

March 20, 2006

WILLIAM THOMSON EXAMINER
CUPERVISORY PATENT EXAMINER

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